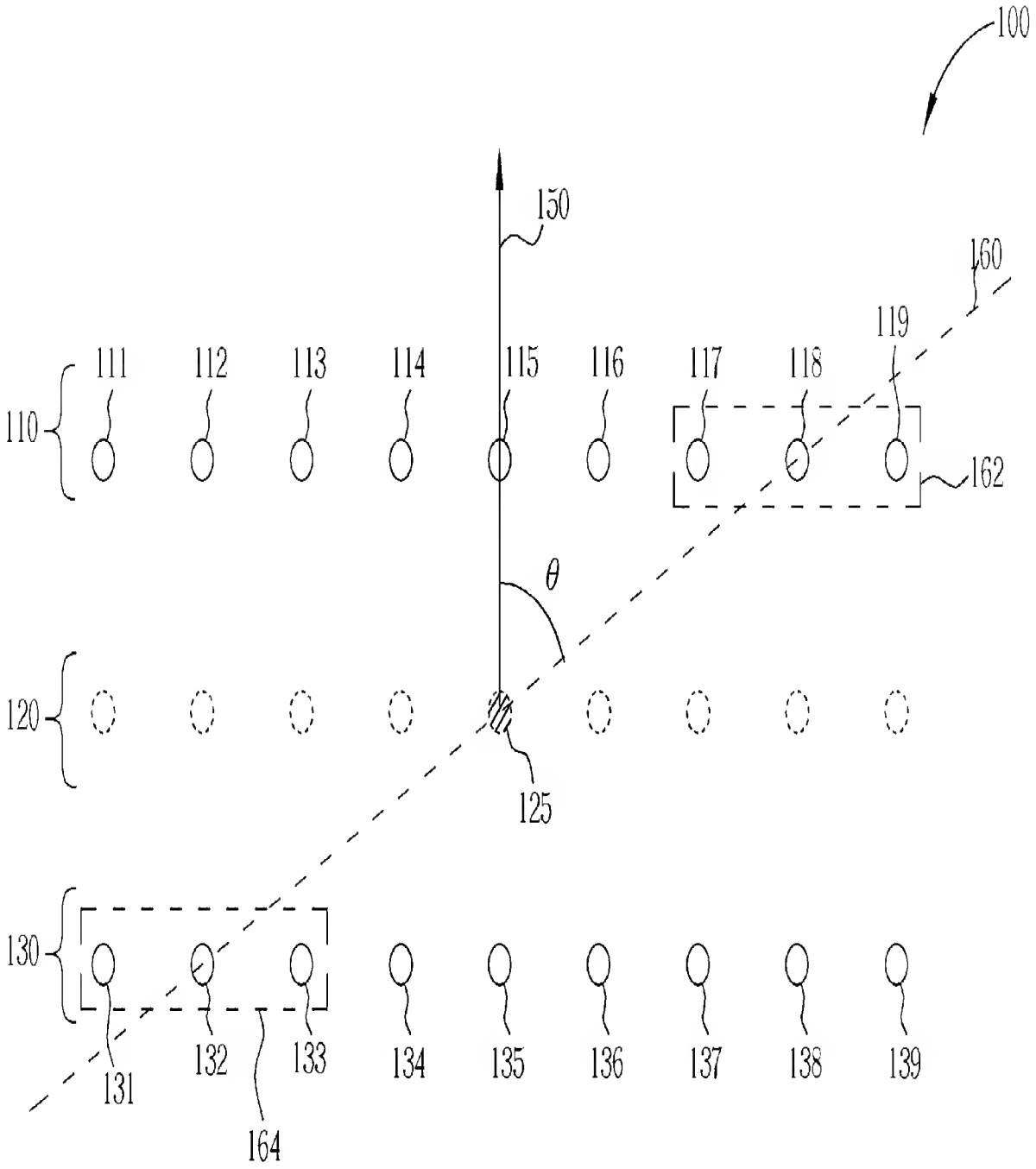
100
150
160
119
111
112
113
114
115
116
117
118
110
162
θ
120
125
130
131
132
133
134
135
136
137
138
139
164

Fig. 1

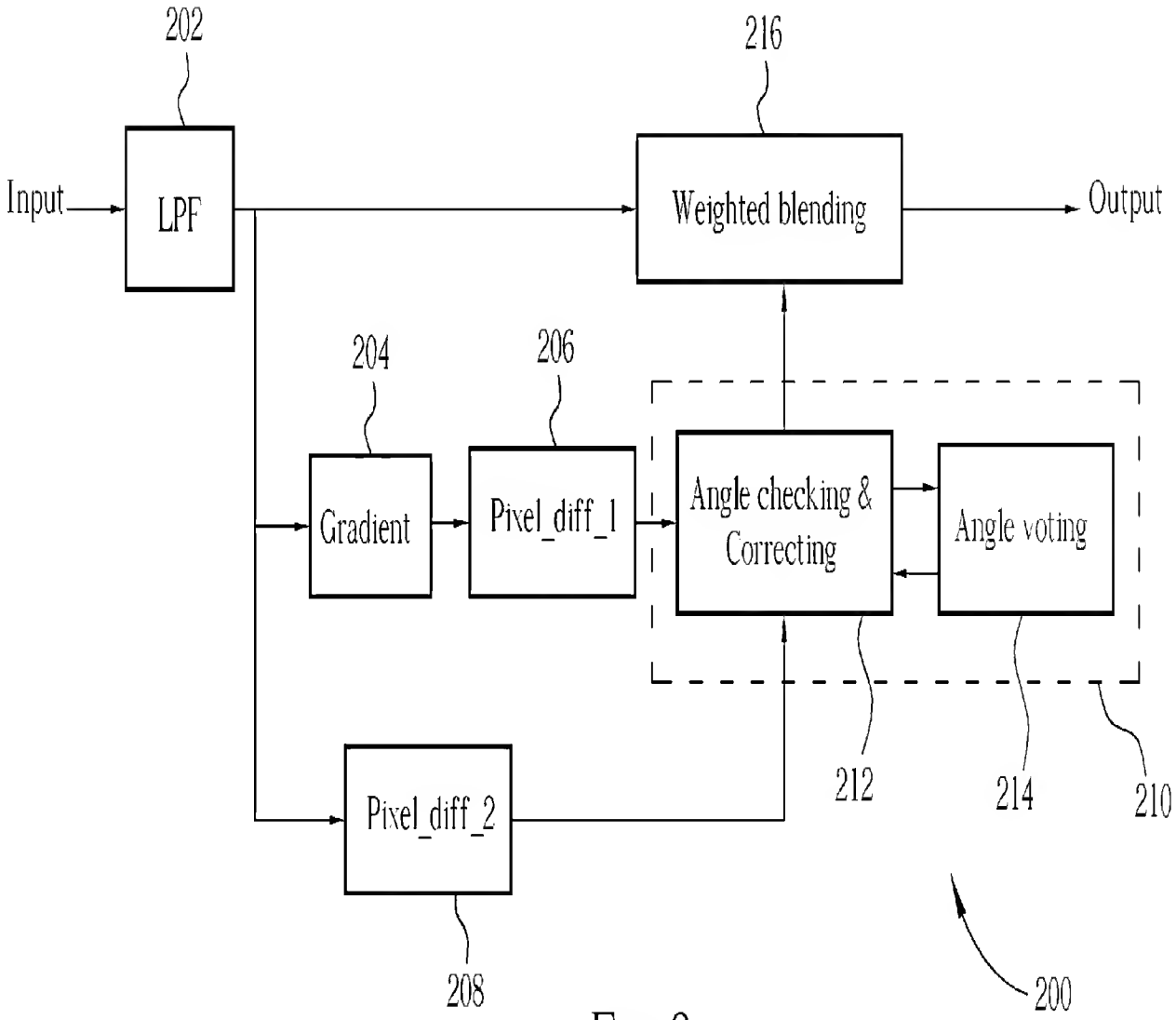
202
216
Input
LPF
Weighted blending
Output
204
206
Gradient
Pixel_diff_1
Angle checking & Correcting
Angle voting
Pixel_diff_2
212
214
210
208
200

Fig. 2

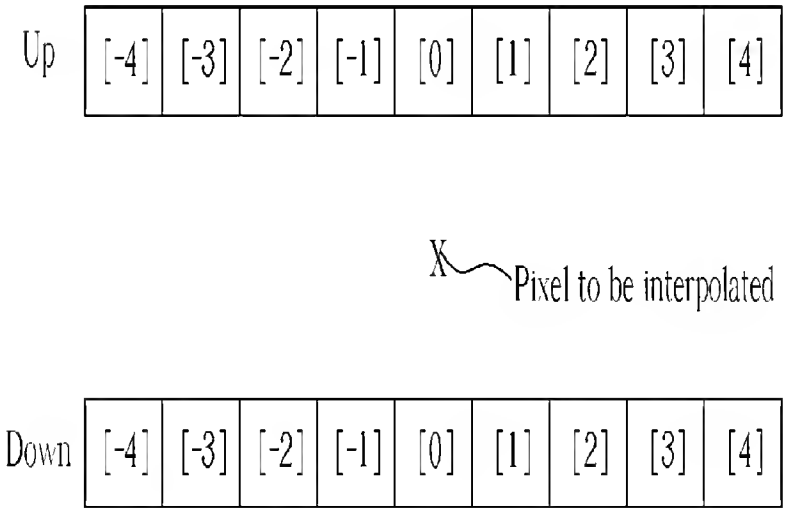

Fig. 3

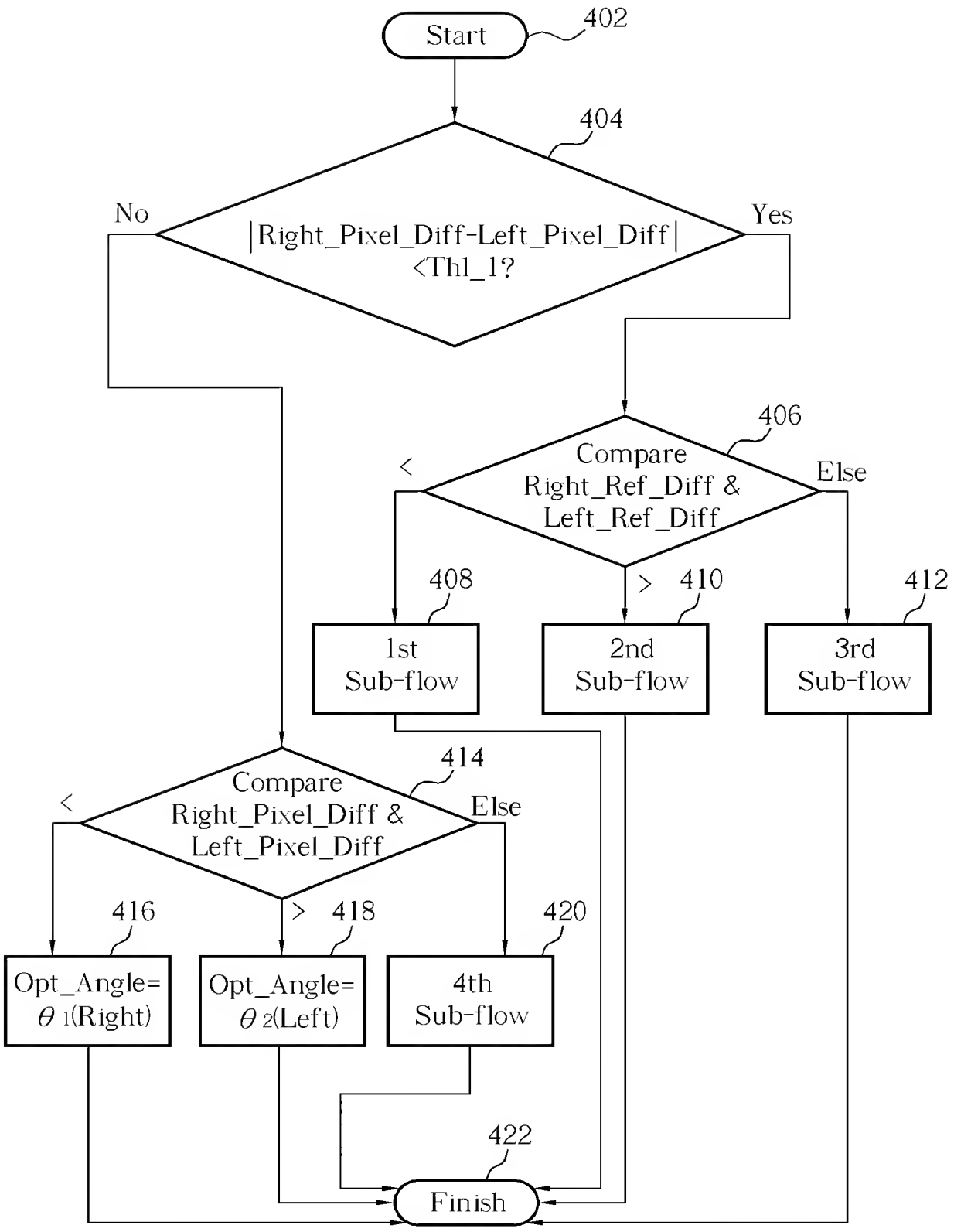
Start
402
404
No
|Right_Pixel_Diff-Left_Pixel_Diff|
<Thl_1?
Yes
406
Compare
Right_Ref_Diff &
Left_Ref_Diff
<
Else
>
408
410
412
1st
Sub-flow
2nd
Sub-flow
3rd
Sub-flow
414
Compare
Right_Pixel_Diff &
Left_Pixel_Diff
<
Else
>
416
418
420
Opt_Angle=
θ 1(Right)
Opt_Angle=
θ 2(Left)
4th
Sub-flow
422
Finish

Fig. 4

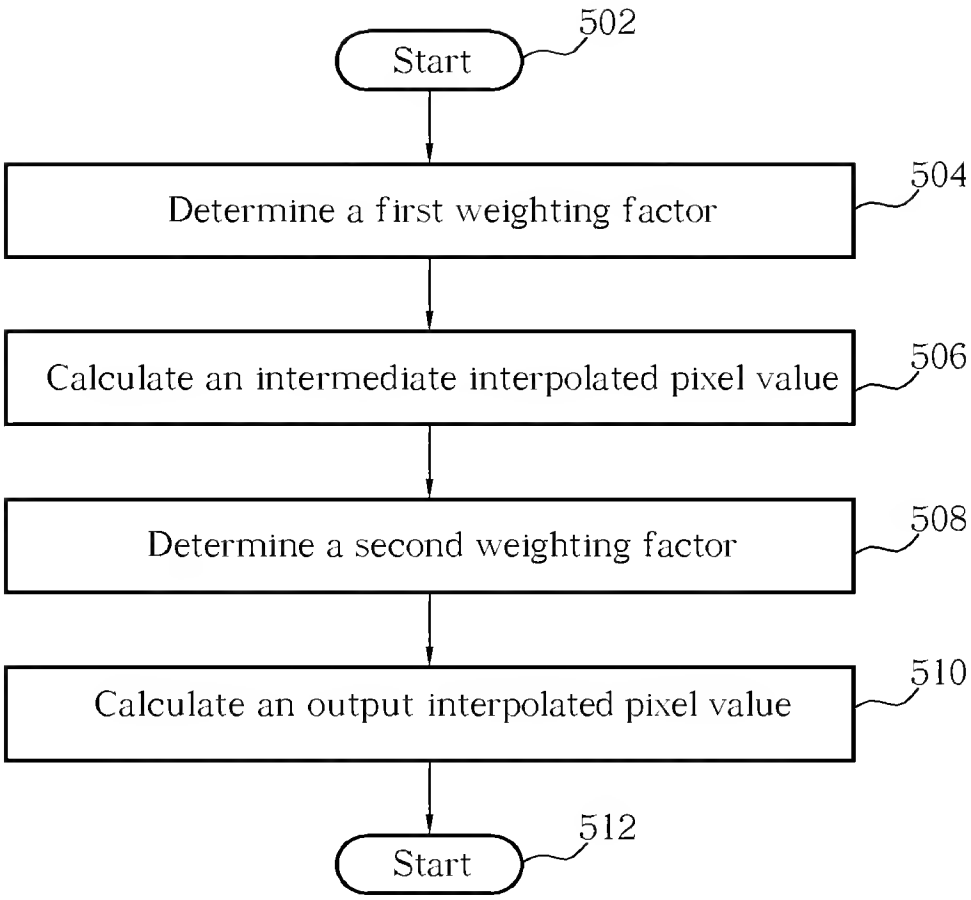
Start
502
Determine a first weighting factor
504
Calculate an intermediate interpolated pixel value
506
Determine a second weighting factor
508
Calculate an output interpolated pixel value
510
Start
512

Fig. 5